

PRESENTS SARDINES

95

VESSELS
dedicated to this
fishery (average)



60

TONS
total catch per
night (average)



480

MILLION PESOS
in annual
earnings



Group:
minor
pelagics

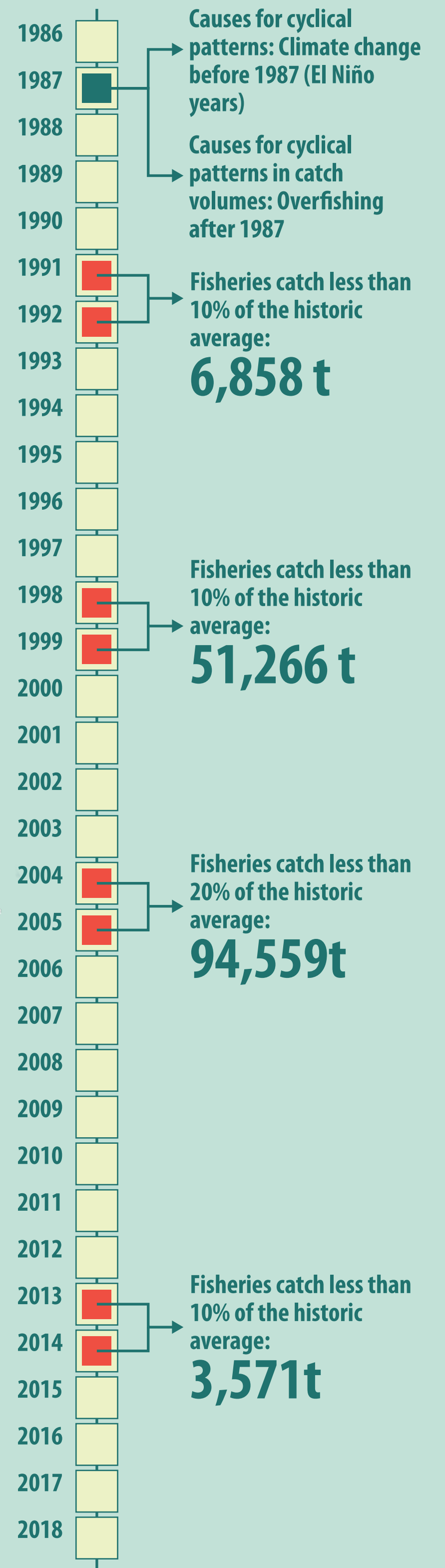


Fleet:
Industrial



Collateral effects:

Changes in nesting and
migration patterns in
birds. Collapse of other
fisheries like Dorado,
Marlin, and snappers.



533

HOUSAND TONS
in annual catch
(2006-2014)

50%

OF THIS FISHERY
would not be
profitable without
subsidies because of
the cost of fishing
trips



257.5
MILLION PESOS

in total subsidies between 2010-2017
(32.8 million pesos a year on
average)



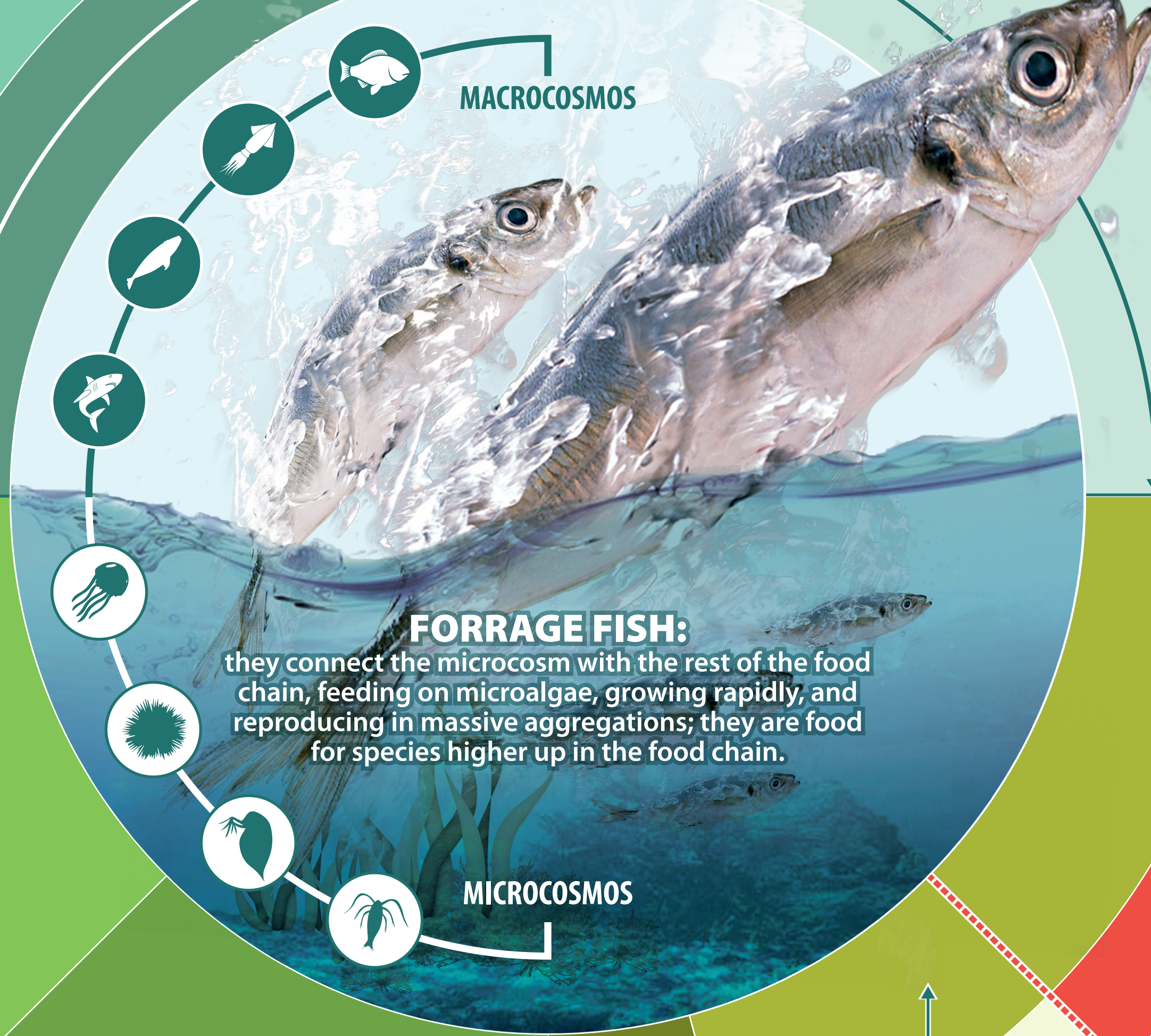
50

COMPANIES
benefited with diesel



28

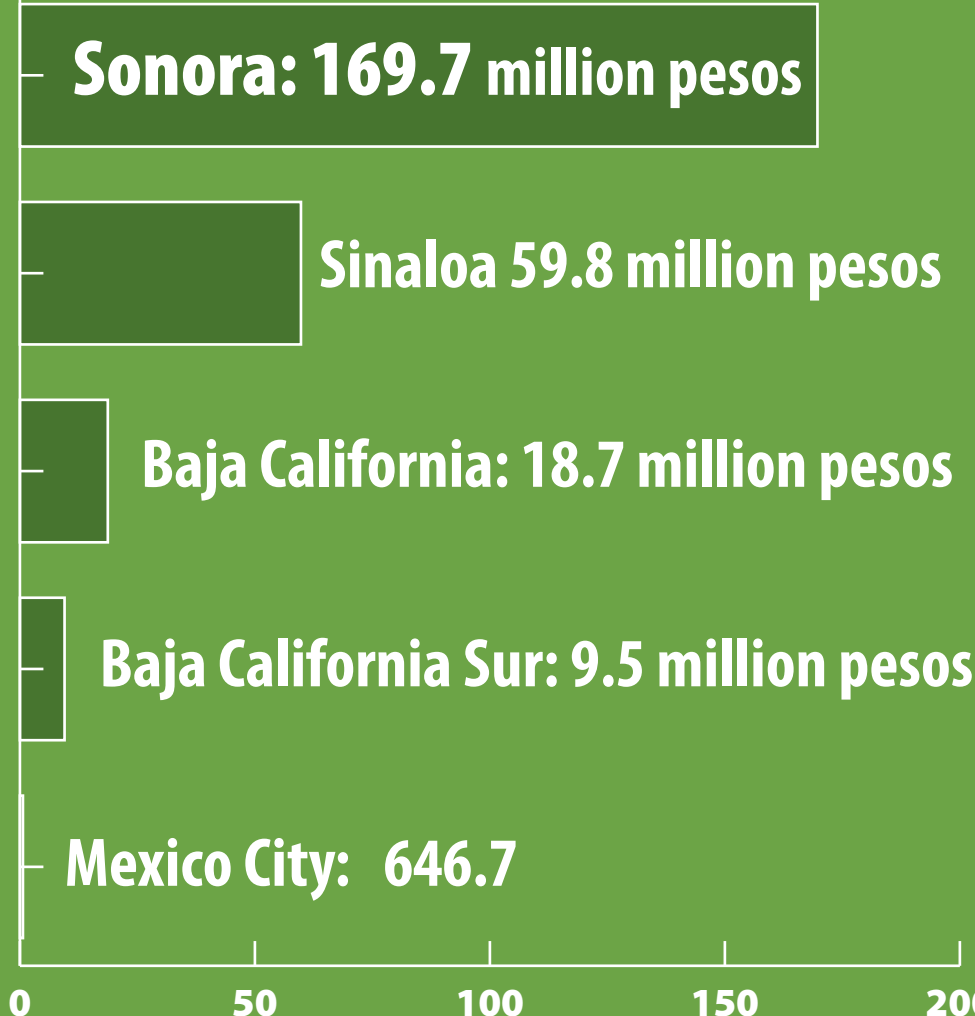
COMPANIES
benefited to
modernize their fleet



STATES BENEFITED:

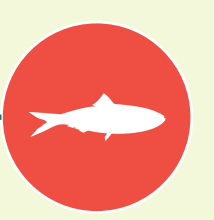


SUBSIDIES BY STATE:



60%

OF THE BIOMASS
of this fishery is lost
in conversion to
flour and oil
(average)



85%

CONVERTED
into flour and oil



15%

CANNED
for human consumption

What are the oil and flour used for?



Industrial market
in processed foods



Animal feed for
cows, chicken,
and farmed fish



Paints, synthetic
products, and solvents

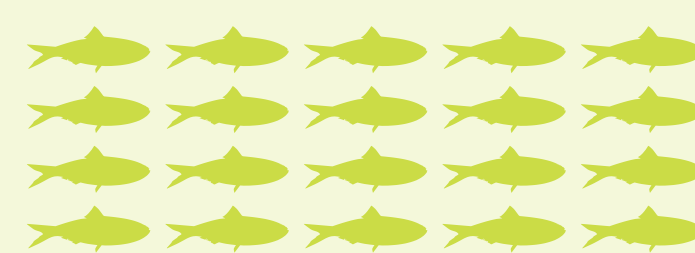


Pharmaceutical
industry

Is there an alternative that can derive better value?

Less fishing could generate more economic benefits.

INDUSTRIAL MARKET



20 sardines equal one peso

ARTESANAL MARKET AND GOURMET CONSUMPTION



1 sardine equals 20 pesos

Sources:

-Indexmundi.com
-Mendoza, 2011. Editorial Noroeste.
-Byelashov & Griffin (2014).
-dataMares, 2018.
-dataMares (2018). doi.org/10.6075/J0757KZS
-Jimenez, V.M.; Mendez, A. (2018).
doi.org/10.6075/J0CJ8BPH

-Velarde, E., Ezcurra, E., y D. W. Anderson
(2013, 2015).
-Velarde, E., Ezcurra, E., Cisneros-Mata, M.A.,
Lavin, M.F. (2004)